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**THE GREAT LAKES BORDER HEALTH INITIATIVE**  
*Indiana\*Michigan\*Minnesota\*New York\*Ohio\*Ontario\*Pennsylvania\*Wisconsin*

## Case Study: Cryptosporidiosis at an Indoor Water Park, Ohio

**Date Prepared:** 10/13/11

**Prepared By:** Kimberly Machesky

**Etiologic Agent:** *Cryptosporidium*

### Case Presentation:

Four Ohio residents were identified with lab-confirmed cryptosporidiosis. All had exposure to an indoor water park at Hotel A in County A, Ohio December 27-29, 2010 during their incubation period. From a telephone survey of about 450 Ohioans who were registered at the hotel from December 26 to January 8, the local health department identified approximately 60 additional persons who had diarrheal illness. Also during this time period, 71 persons from 23 other states and 1 Canadian province were registered at the hotel. A standard questionnaire was developed to conduct a case-control study. Public health colleagues in other states and the province of Ontario were notified of their residents who were registered guests at the hotel during the period of interest.

### Communication Methods

State Health Alert Network (HAN)

State: Ohio

CNPHI, Public Health Alert (PHA)

Province:

CDC, Epi X or HAN

### Informal communication

Email

Phone

Fax

### Communication Highlights:

GLBHI partnerships were utilized to contact the province of Ontario to inform them of their residents' potential exposure.

### Regional Partners Involved in Communications:

Ohio Department of Health	
Ontario Ministry of Health	

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### Case Definition:

A confirmed case was defined as anyone with laboratory confirmed cryptosporidiosis among people who lived in or visited County A and/or Hotel A from December 24, 2010 through January 8, 2011.  
A probable case was defined as anyone who experienced diarrheal illness among people who lived in or visited County A and/or Hotel A from December 24, 2010 through January 8, 2011.

### Laboratory Data:

N/A

### Control Measures / Summary:

On January 18, 2011, the health department ordered hyper-chlorination treatment of the pool per CDC standards, and the pool remained closed for 24 hours.

### Key Contacts:

Kimberly Machesky, Ohio Department of Health	

### Attachments:

- Communications
- Press Releases
- Epidemiological investigation Tools
- Other (Please Describe)

Other Attachments: